GM-620
GM-62

AMPLIFICATEUR
POWER AMPLIFIER DE PUISSANCE

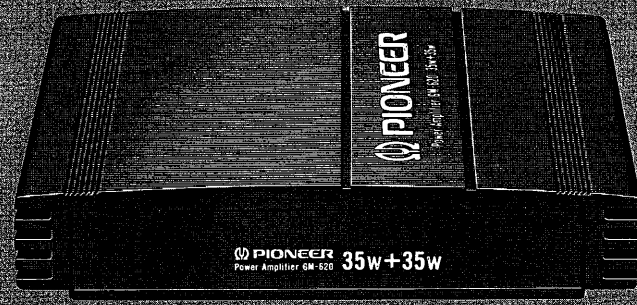
OWNER'S MANUAL
MODE D'EMPLOI

Thank you for purchasing this PIONEER product. Before attempting operation, be sure to read this manual.

Nous vous remercions d'avoir acheté cet appareil PIONEER. Avant de l'utiliser, prendre soin de lire ce manuel.

Vielen Dank für den Kauf dieses PIONEER Produkts. Diese Bedienungsanleitung vor der Inbetriebnahme sorgfältig durchlesen.

Muchas gracias por la adquisición de este producto PIONEER. Antes de tratar de operarlo, lea atentamente este manual.



GM-620

PIONEER®

The Art of Entertainment

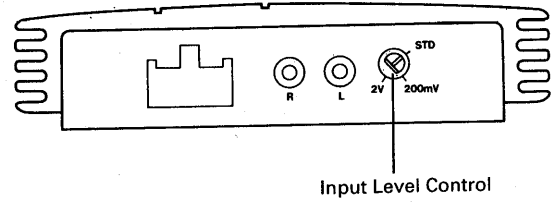
Connecting the Units

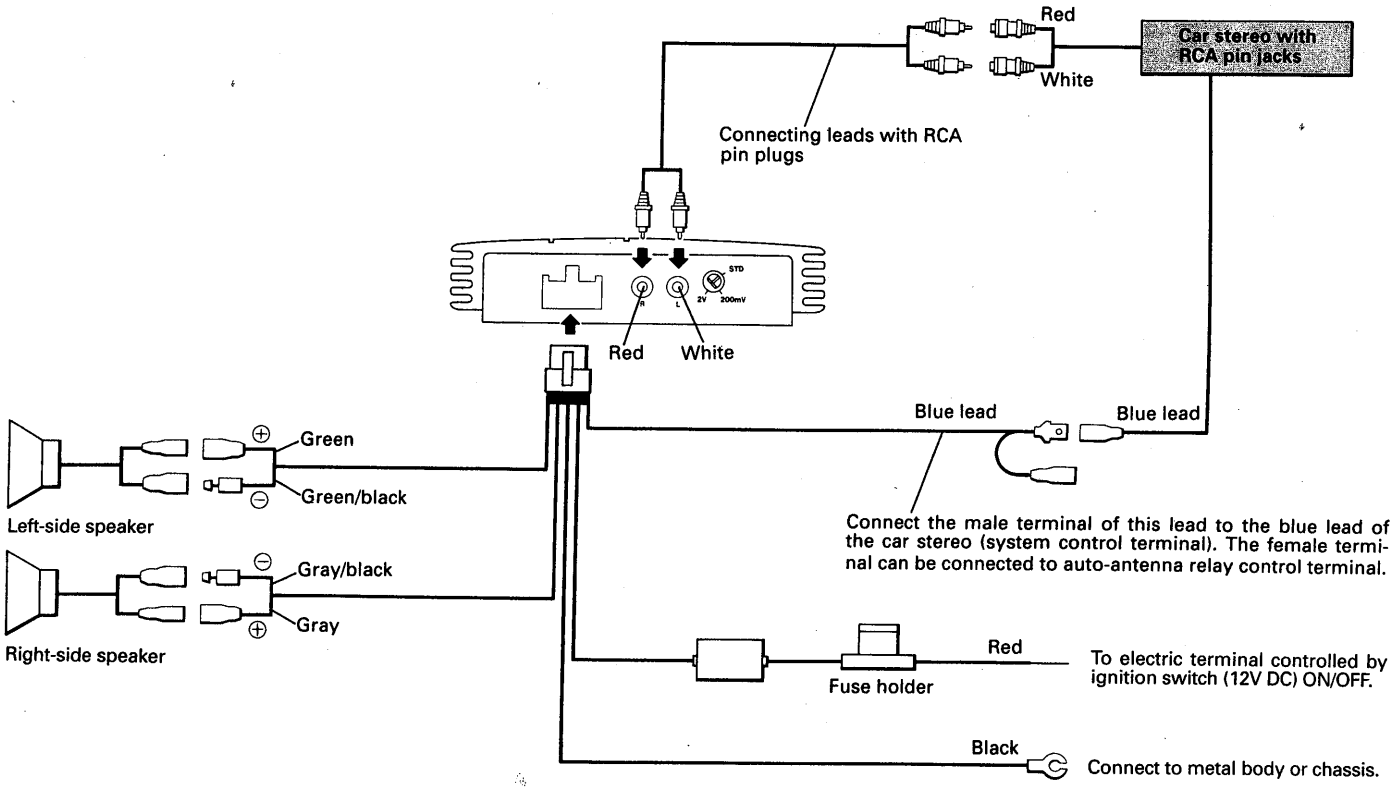
Connect the components correctly as shown in the diagram.

- Test-connect all components before securing them into place. Test-operate your entire car stereo system to ensure that there are no faulty wiring connections between this unit and the rest of your car stereo system.
- Speakers connected to this unit must be high power type with over 35 W maximum input power and have impedance between 2 and 8 ohms. Be aware of the fact that using a speaker other than the one specified can cause the speaker to be damaged.
- A special BPTL circuit is used to be sure that you do not connect the speaker directly to ground nor join the left and right speaker (–) leads.
- For detailed information concerning connections between different components and this unit consult their respective instruction manuals and follow those recommendations precisely.
- Wire all connecting leads so that they stay well clear of high-temperature areas such as the heater exhaust port.
- To ensure that all components used in combination with this unit operate properly, be sure to wire the main power supply cable (red) correctly to the respectively determined points. Failure to do so or errors in this process will result in total inoperation.
- Be sure to properly connect the color coded leads. Failure to do so can cause malfunctions.

Input Level Adjustment

If the sound is too low even when the volume of the car stereo used along with this power amplifier is turned up, turn the input level control on the back of the power amplifier clockwise. If the sound distorts when the volume is turned up, turn the input level control counterclockwise.

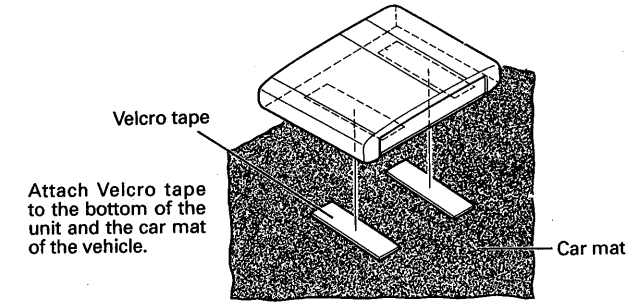



Red
White
Car stereo with RCA pin jacks
Connecting leads with RCA pin plugs
STD
2V
200mV
Red
White
Blue lead
Blue lead
Green
Green/black
Left-side speaker
Gray/black
Gray
Right-side speaker
Connect the male terminal of this lead to the blue lead of the car stereo (system control terminal). The female terminal can be connected to auto-antenna relay control terminal.
Red
Fuse holder
To electric terminal controlled by ignition switch (12V DC) ON/OFF.
Black
Connect to metal body or chassis.

Installation

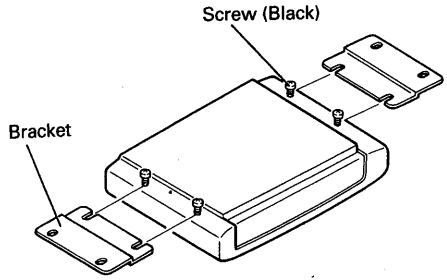
- Be sure to use the parts supplied and install the unit securely. If parts other than those supplied (specified) are used, they may loosen or cause damage to internal parts.
- Be sure to install the unit in a places where the driver is not bothered and where there is no danger of passengers being injured in case of sudden stops.
- Be sure to consult your dealer before making any holes in the car.
- Cooling efficiency is degraded by making installations in hot places such as near the heater outlet, in the glove compartment and under floor mats that are tightly closed.
- To prevent short-circuits, be sure to disconnect the negative battery terminal before wiring the system up.
  When you finish the installation, be sure to make one more check to be sure everything is done correctly. Reinstall all car parts that were removed. Reconnect the negative battery lead.
- Rain water easily gets on the floor near the door. Also, don't make an installation on the driver seat base because it may interfere with the driver.
- For installations under the front seat, be sure not to obstruct the seat slide. Also, be extremely careful not to let the cords get caught in the slide mechanism where they may be damaged and cause a short.

Mounting with Velcro Tapes

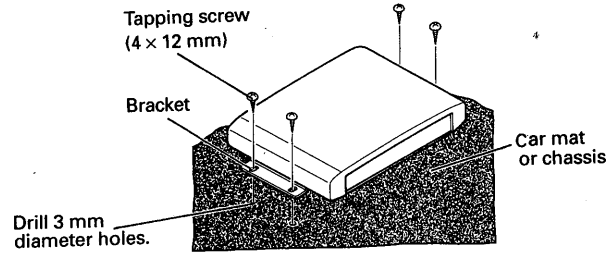


Mounting with Brackets

1. Attaching the Brackets
Loosen the four screws (black) on the bottom of the amplifier, insert the supplied brackets horizontally, and retighten the screws (black).



2. For installation to the Car mat or Chassis
Install the unit on the car mat or the chassis using the supplied tapping screws (4 × 12 mm).



Care and Maintenance

- Enough care must be taken against battery overdischarge caused by long operation of the set at a high sound level when the engine is not running or is idling.
- The protection circuitry will operate instantaneously should any malfunctions occur, shutting off all sound. Under such circumstances, disconnect the power of the car stereo system, check the wiring for any possible causes and correct them before operating the stereo system again.
- When replacing the fuse, replace it with a fuse having the correct capacity.
- Dust the heat sinks occasionally so that they will not become clogged.

In Case of Trouble
When the unit does not operate properly, contact your dealer of the nearest authorized PIONEER Service Station.

Specifications

Power source	14.4 V DC (10.8–15.6 V allowable)
Grounding system	Negative type
Max. current consumption	6.5 A
Dimensions	140 (W) × 32 (H) × 100 (D) mm
Weight	0.5 kg
Maximum power output	35 W × 2
Continuous power output	18 W × 2 (at 4Ω, 20-20,000 Hz, 0.5% THD)
Load impedance	4Ω (2-8 Ω allowable)
Frequency response	10-50,000 Hz (+0 dB, –1 dB)
Signal-to-noise ratio	94 dB (IEC-A network)
Distortion	0.015% (at 10 W,1 kHz)
Input level	0.2-2V/7 kΩ

Note:
Specifications and the design are subject to possible modification without notice due to improvements.